Work Orde Monday, March		0.158 0:13 PM	52-23	*11	515	58*	•						Page 1
Item ID: Revision ID: Item Name:	D3552-23  Door Prop	p33	52-23 5158	Accept	*N	1900	<b>040</b>	100	)* ፡	Setup	Start Stop	*N.	S1* S2*
Start Date: Required Date: Reference:	3/17/14 3/17/14	<b>Start Qty:</b> 20.00 <b>Req'd Qty:</b> 20.00	*20* *20*			Cust Item I Customer:	D:						
Approvals:	Process Plan	: <b>k</b>	Date: 14.03-19	Tooling: SPC (Y/N):			ate:			Run	Start Stop	*N	R1* R2*
Sequence ID/ Work Center II		Operation Description		Set Up/ Run Hours		Tool ID	Tool #	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp
Draw Nbr	Revis	sion Nbr											
D3552	K										•		
*1 nn* Purchasing Purchasing		Supplier: LS	23465 rt Number: B6-190-475-070 Technologies f conformity is required	0.00 0.00					Ca	L_1°	1/0 3	3/21	20
*110 *110* Packaging Packaging		Receive & Inspect for Da  Memo Ensure certif	amage & Mat'l Certs ficate of conformity is attac	0.00 0.00 hed				T.	∂©X		_\$	014	'- <u>3-</u> 24
120 *1 20* QC		QC6- Inspect dimensions  Memo	s to drawing		DAS 27 9-89				20				
Quality Control		Test for corr	rect pressure	٠, ١	ISIXX	C						** · · · •	

DQA:			Date:										•	$^{\prime\prime}$ A $^{\prime\prime}$ A $^{\prime\prime}$
						WORK ORDER NON-	-CC	ONFO	RMANCE / UF			_		AEROSPACE
QA Closed:			Date:							,, V	/ork Order up	date only		
Work Orde	er:					DISPOSITION				AGAINST D	EPARTMENT,	/PROCESS		
	-				_	Rework	ıl		Skid-tube	Crosstube	7	Water Jet	$\neg$	Engineering
Part N	No.					Scrap		!	Machining	Small Fab	Pro	d. Eng. Coor.	$\dashv$	Quality
	-		-			Use-as-is			noforming	Finishing		re/Packaging	$\dashv$	Other
NCR N	No.					Suspected Unapproved			Large Fab	Composite		Supplier		
Root		•			Docc	rintian of work order undate		nitial	Acti	ion	Cian 0		T	
Cause	-	Date	Ston	O+v	Desc	ription of work order update or non-conformance	i .	ief Eng			Sign & Date	Verification		OC Incorporate a
Design		Date	Step	Qty		or non-comormance	Cit	ilei Eiig	Descri	ірпоп	Date	vernication	+	QC Inspector
Doc/Data	$\vdash$													
Equip/Tooling	H		ļ				İ							
Handling/Pre	$\dashv$													
Material	Н													
Operator	H													
Offset/Setup	П													
Process	П													
Supplier	П												-	
Training	П						1						ı	
Transport														
Unapproved													1	
							FA	ULT CAT	regory					
Landi	ng G	iear				General		,			_	_		
		Bending				Bend		Folio/P	rogram	L	Outside Dim	ensions	F	Pressure/Forced
	Ш	Centre No	ot Concer	ntric		BOM/Route		Grain			Over/Under	tolerance	!	Set-up
	Ш	Cracks				Broken/Damage/Defect		Hardwa	re	<u>_</u>	Part Incorred	ાં [	1	Temperature/Cure
		Crimp/Kii	nk/Ripple	/Wave		Burrs		Inspect	ion Incomplete/Un	qualified	Part Lost/Mi	ssing	\	Weld
	Щ	Cuffs				Contamination		Instruct	ions Incomplete/U	Inclear	Part Moved		\	Wrong Stock Pulled
	Ш	Crushing				Countersink		Misalig	ned/off center		Positioned V	Vrong		
	${} =$	Heat Trea				Cut Too Short	L	Mislabe	eled	L	Power Loss/:	Surge		Other
	Ш	Inspectio	n Strip in	Tube		Drawing		Misread	t					
	Ш	Marks/Ch	atter			Drill Holes		Off-set						
		Turning S	equence			Finish		Out of 0	Calibration					
	1 ]	Wave/Tw	ist in Tub	)e		Fit/Function		Out of 9	Sequence					

Work	Order	ID	115158
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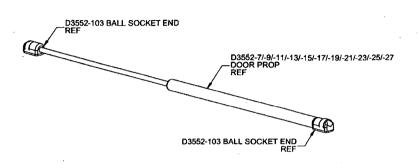
\*115158\*

Page 2

Monday, March	17, 2014 2:	:49:13 PM		1 1 2	) I :	יי חני						1 age 2
Item ID: Revision ID:	D3552-23			Accept	*	<b>1900</b>	040	100	)* ፡	Setup Stai	t *N	S1*
Item Name:	Door Prop									Sto	• *N	S2*
Start Date:	3/17/14	<b>Start Qty:</b> 20.00	*20*			Cust Item 1	D:					. 17
Required Date:	: 3/17/14	Req'd Qty: 20.00	*20*			Customer:						
Reference:			, , ,									
Approvals:	Process Pl	an:	Date:	Tooling:		Da	ate:	_	I	Run Stai	<i>^\\</i>	R1*
	QC:		Date:	SPC (Y/N):		Da	ate:	<u> </u>		Sto	, *V	R2*
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours		Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		Identify as per dwg & Sto	ock Location:	0.00					•	, /	_	\
*120* Packaging		Memo	5726/	0.00					/	1/3/2	o <u>(</u> 2	32 9-89
Packaging										' /		9-89
140		QC21- Final Inspection -	Work Order Release	0.00								
*140*		Memo		0.00						1/1	4-63-3,	<u>/</u>
Quality Control		AVACUALO								•	44.6	•
											MI	1-3-28

WORK ORDER NON-CONFORMANCE / UPDATE  Work Order:  DISPOSITION  Rework Scrap Machining NCR No.  Suspected Unapproved  Description of work order update Cause Date  Work Order update only  AGAINST DEPARTMENT/PROCESS  Water Jet Engineering Machining Small Fab Prod. Eng. Coor. Quality Thermoforming Large Fab Composite  Other Supplier  Description of work order update Or non-conformance Other Design Doc/Data	D TH
Work Order:    DISPOSITION	PACE
Rework   Skid-tube   Crosstube   Water Jet   Engineering   Machining   Small Fab   Prod. Eng. Coor.   Quality	
Part No. Scrap Use-as-is Suspected Unapproved Use-as-is Suspected Unapproved Unitial Action Use-as-is Suspected Unapproved Unapprove	
Cause     Date     Step     Qty     or non-conformance     Chief Eng     Description     Date     Verification     QC Inspect	
Cause     Date     Step     Qty     or non-conformance     Chief Eng     Description     Date     Verification     QC Inspect	
Design Design	tor
Equip/Tooling Handling/Pre Material Operator Offset/Setup Process Supplier Training Transport Unapproved Unapproved	
FAULT CATEGORY	
Landing Gear  Bending  Centre Not Concentric  Cracks  Crimp/Kink/Ripple/Wave  Crushing  Crushing  Heat Treat  Inspection Strip in Tube  Marks/Chatter  General  Folio/Program  Folio/Program  Grain  Folio/Program  Outside Dimensions  Pressure/Forced  Grain  Over/Under tolerance  Set-up  Temperature/C  Inspection Incomplete/Unqualified  Part Lost/Missing  Weld  Part Moved  Part Moved  Positioned Wrong  Power Loss/Surge  Other  Mislabeled  Misread  Misread  Misread  Off-set	Cure
Turning Sequence Finish Out of Calibration  Wave/Twist in Tube Fit/Function Out of Sequence	

# SPECIFICATION CONTROL DRAWING



RELEASE 2012 -07- 2 4

D3552-101 CLIP
REF

D3552-101 CLIP
REF

D3552-101 CLIP
REF

								L
к	ADD "X" "EXTRA REASO	DAMP	ING" FO	OLOGIES P/N's TO D R D3552-15/-17/-19/-2	ESIGNATE 25/-27	мВ	12.07.16	
J	NUMBE -19 WA	R FOR 5 139/6	-15, -17 .06 NOV	REMOVE ALTERNA AND -19, STROKE FO 154/8.06, EXTENDE 86/15.2 NOW 387/15.	DR -15, -17 AND D LENGTH FOR	AP	11,12.07	
1	ADD P/I	N D355	2-23			RF	11.10.11	
н	ADD P/I	N D355	2-21		DC	11.03.10	]	
G	154-387	-300N	CE:300/6 WAS B& 160/6.30 I B&-154-	JPH	10.11.01			
F	ADD P/I	N D355	2-15/-17/	19 AND ALTERNATE	SUPPLIER	JPH	10.07.27	ì
E	ADD P/I FROM DWG	N D355 GAS SI	2-13 ZN PRING	NGE NAME ROUGH OUT	HS	10.02.03		
D	D1-1 AN	ID C2-1	AND ZN	D D3552-103 ZN GARDING ZN A8-1	HS	09.04.02	L	
С	ADD D3 UPDATE	552-11 P/N F	AND CO	NVERSIONS FOR IN 12-7	SPECTION;	LE	07.08.01	
В	ADD D3	552-7/-	9; UPDA	TE DESC. D3552-1/-3	V-5	LE	06.10.24	]
Α	NEW IS	SUE				LE	06.09.15	]
REV.				DESCRIPTION		BY	DATE	l
DESIGN	ı		=	DAR	AEROSPA	CE L	TD	1.
DRAW	1		2		ESBURY, ONTARI			1
CHECK	ED		M	DRAWING NO.			REV. K	l
MFG. A	PPR.	B	ZΛ	D3552			SHEET 1 OF 2	
APPRO	VED	1	WJ	TITLE			SCALE	ĺ

DATE 12.07.16

115158 NP 14.03-19



DART PART NUMBER	DESCRIPTION	STROKE (mm/in)	EXTENDED LENGTH (mm/in)	FORCE (N/lb)	END FITTING	-	MATERIAL	SUPPLIER	SUPPLIER PART NUMBER OR MODEL NUMBER
D3552-1	DOOR PROP	220/8.66	530/20.6	70/15.7	10mm SS BALL SOCKET	•	CARBON STEEL	LS TECHNOLOGIES	C8-220-530-070N
D3552-3	DOOR PROP	200/7.87	490/19.3	200/45.0	10mm SS BALL SOCKE		CARBON STEEL	LS TECHNOLOGIES	C8-200-490-200N
D3552-5	DOOR PROP	175/6.89	430/16.9	150/33.7	10mm SS BALL SOCKE		CARBON STEEL	LS TECHNOLOGIES	C8-175-430-150N
D3552-7	DOOR PROP	220/8.66	530/20.9	70/15.7	10mm NYLON BALL SOCK	ET.	CARBON STEEL	LS TECHNOLOGIES	B8-220-530-070N
D3552-9	DOOR PROP	200/7.87	490/19.3	200/45.0	10mm NYLON BALL SOCK	ET	CARBON STEEL	LS TECHNOLOGIES	B8-200-490-200N
D3552-11	DOOR PROP	240/9.45	575/22.6	150/33.7	10mm NYLON BALL SOCK	ET	CARBON STEEL	LS TECHNOLOGIES	B8-240-575-150N
D3552-13	DOOR PROP	220/8.66	530/20.9	140/31.5	10mm NYLON BALL SOCK	ΕT	CARBON STEEL	LS TECHNOLOGIES	B6-220-530-140N
D3552-15	DOOR PROP W/EXTRA DAMPING	154/6.06	387/15.2	300/67.4	10mm NYLON BALL SOCK	ΕT	CARBON STEEL	LS TECHNOLOGIES	B8-154-387-300NX
D3552-17	DOOR PROP W/EXTRA DAMPING	154/6.06	387/15.2	156/35.1	10mm NYLON BALL SOCK	EΤ	CARBON STEEL	LS TECHNOLOGIES	B8-154-387-156NX
D3552-19	DOOR PROP W/EXTRA DAMPING	154/6.06	387/15.2	60/13.5	10mm NYLON BALL SOCK	ΕT	CARBON STEEL	LS TECHNOLOGIES	B8-154-387-060NX
D3552-21	DOOR PROP	167/6.57	410/16.1	70/15.7	10mm NYLON BALL SOCK	ŧΤ	CARBON STEEL	LS TECHNOLOGIES	B6-167-410-070N
D3552-23	DOOR PROP	190/7.48	475/18.7	70/15.7	10mm NYLON BALL SOCK	ĖΤ	CARBON STEEL	LS TECHNOLOGIES	B6-190-475-070N
D3552-25	DOOR PROP W/EXTRA DAMPING	148/5.83	475/18.7	300/67.4	10mm NYLON BALL SOCK	ET	CARBON STEEL	LS TECHNOLOGIES	B8-148-475-300NX
D3552-27	DOOR PROP W/EXTRA DAMPING	148/5.83	475/18.7	156/35.1	10mm NYLON BALL SOCK	ET	CARBON STEEL	LS TECHNOLOGIES	B8-148-475-156NX
D3552-101	CLIP	N/A	N/A	N/A	N/A		CARBON STEEL	LS TECHNOLOGIES	C9
D3552-103	BALL SOCKET END	N/A	N/A	N/A	N/A		NYLON	LS TECHNOLOGIES	B10

D3552-X DOOR PROP

PELEASED 2012 -07- 2 4

	,			
DESIGN	UE	DART AEROSPAC	E LTD	
DRAWN		HAWKESBURY, ONTARIO,	CANADA	١,
CHECKED		DRAWING NO.	REV. K	
MFG. APPR.	N.Z.	D3552	SHEET 2 OF 2	
APPROVED	-#	TITLE	SCALE	
DE APPR.	4	DOOR PROP	NTS	
DATE 12.0	7.16	COPYRIGHT © 2006 BY DART AER! THIS DOCUMENT IS PRIVATE AND CONTRIBUTION AND IS SUPPLIED ON THE USED FOR ANY PURPOSE OR COMED OR COMMAINCATED.	HE EXPRESS CONDITION THAT I' IS	

NOTES:
1) IDENTIFICATION: IDENTIFY PER QSI 044 6.2
2) D3552-101 CLIP IS ONLY COMPATIBLE WITH D3552-11/-3/-5 DOOR PROPS
3) D3552-103 BALL SOCKET END IS ONLY COMPATIBLE WITH D3552-7/-9/-11/-13/-15/-17/-19/-21/-23/-25/-27 DOOR PROPS

## LS TECHNOLOGIES INC

Saskatoon , SK S7N 1Y6 Saskatoon, SK S7N 1Y6

Ph# (306) 683-5000

Name / Address	ŧ	
Dart Aerospace Ltd 1270 Aberdeen St. Hawkesbury, ON K6A 1K7		
	•	

# Packing Slip

P.O. No.	Date	Invoice #
23465	3/24/2014	10945

Ship To	
Main Finished Goods Location	
Dart Aerospace Ltd	
1270 Aberdeen St.	
Hawkesbury, ON K6A 1K7	

Ship	Via	FOB
3/24/2014	Fed-Ex	

	Qty	/	Description							
		20	D3969-3 B110088 Stainless Gas Spring Rev. C ( SSA4/8-122-310-360N )							
		20	D3552-23 B115158 Gas Spring Rev. K (B6-190-475-070N)							
ø.			Shipping Via FED EX Tracking # 798318939621							
-										
				:						
		1								
		İ	خبر							



LS Technologies Inc 314 Jessop Ave Saskatoon, SK, S7N 1Y6

Ph: (306) 683-5000 Fax: (306) 683-6403

### **Certificate of Conformance**

March 24, 2014

This is to certify that the parts listed below meets specifications as required by your order.

D3969-3 B110088 Stainless Gas Spring Rev. C (SSA4/8-122-310-360N)

20 Units: D3552-23 B107728 Gas Spring (B6-190-475-070N)

Country of Manufacture: Canada Date of Manufacture: March 2014 This product is ROHS compliant.

Purchase Order # **23465** Inv# **10945** 

L S Technologies Inc Canada

Nolan Fehr President



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

#### **PURCHASE ORDER**

#### Purchase Order ID PO23465

Purchase Order Date 3/21/2014 PO Print Date 3/21/2014

Page Number 1 of 2

Order From:

LS TECHNOLOGIES INC. 314 JESSOP AVE SASKATOON, SK S7N 1Y6 CA

VC-LST0001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

**CANADA** 

Contact Name

Vendor Phone

**Ship To Contact** 

Ship To Phone

306 683 5000

FedEx PI collect

Buyer

Chantal Lavoie

**Customer POID** 

10127-2607

Customer Tax # Terms

Net 30

Currency

CAD

**FOB** 

FCA - (Free Carrier)

Ship Via: Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD Req Qty/ Unit of Measure		PO Unit Price	Extend Pri	
	Line Comments Delivery Comments	٠	Promise Date		Measure	,		
1	SSA4/8-122-310-360N	Gas Spring	3/27/2014 Yes 3/27/2014		20.00 Each		\$65.00	\$1,300.
	AS PER DWG D3969-3 REV. C B114957							

B6-190-475-070N

Door Prop

3/27/2014 Yes

3/27/2014

\$32.50

\$650.

\$1,300.

AS PER DWG D3552-23 REV. K B115158

20.00 V Each

Line Total:

Line Total:

\$650.

Note: